

Journal Publications

- Peer Reviewed Publications

- J. UDDIN, S.P. Decent and M.J. Simmons, 2006, '*The instability of shear thinning and shear thickening spiralling liquid jets: linear theory,*' J. of Fluids Eng, **128**, 55, pp. 968-975.
- J. UDDIN, S.P. Decent and M.J. Simmons, 2008, '*The effect of surfactants on the instability of a rotating liquid jet,*' Fluid Dyn. Res. **40**, 11-12, pp. 827-851.
- J. UDDIN, S.P. Decent and M.J. Simmons, 2008, '*Non-linear waves along rotating non-Newtonian liquid jets,*' Int. J. Eng. Sci. **46**, pp. 1253-1265.
- J. UDDIN and S.P. Decent 2009, '*Curved non-Newtonian liquid jets,*' J. of Fluids Eng. **131**, Issue 9, 091203
- S. Decent, A. King, M. Simmons, E.I., Parau, D. Wong, I. Wallwork, C. Gurney, J. UDDIN, 2009, '*The Trajectory and Stability of Spiralling Liquid Jets: Viscous Theory,*' App. Math. Mod. **33**, 12, pp 4283-4302,
- J. UDDIN and S. P. Decent '*Non-Newtonian jets curved by gravity,*' 2009, accepted in ECMI Proc. Mathematics in Industry, Springer
- V. Hawkins, C. J. Gurney, M. J. Simmons, S. P. Decent and J. UDDIN, 2009, '*Unstable waves on a curved non-Newtonian liquid jet,*' in press in J. of Phys. A .

- Publications - submitted

- V. Hawkins, M. J. Simmons, J. UDDIN and S. P. Decent, 2009, '*Drop generation from spiralling non-Newtonian liquid jets,*' submitted to Exp. in Fluids.

- Publications - in preparation

- J. UDDIN and D. J. Needham, 2009 '*Free surface interaction with an accelerating plate.*'
- J. UDDIN and D. J. Needham, 2009 '*Free surface interaction with an accelerating plate: the effects of surface tension.*'
- J. UDDIN and S.P. Decent, 2009, '*Thermocapillary effects in non-Newtonian liquid jets.*'
- J. UDDIN and S. P. Decent, 2009 '*Boundary layer flow past a reacting plate with electrochemistry.*'